

daA1280-54lc - Basler dart

The Basler daA1280-54lc BCON camera with the ON Semiconductor AR0134 CMOS sensor delivers 54 frames per second at 1.2 MP resolution.



Number



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Specifications

General Information

Order Number	No-Mount: 107142, CS-Mount: 107143, S-Mount: 107144
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Sensor

Sensor Vendor	ON Semiconductor
Sensor	AR0134
Shutter	Global Shutter
Max. Image Circle	1/3"
Sensor Type	CMOS
Sensor Size	4.8 mm x 3.6 mm
Resolution (HxV)	1280 px x 960 px
Resolution	1.2 MP
Pixel Size (H x V)	3.75 μm x 3.75 μm
Frame Rate	54 fps
Mono/Color	Color

Camera Data

Interface	BCON for LVDS
Pixel Bit Depth	8, 12 bits
Synchronization	<ul style="list-style-type: none"> ▪ hardware trigger ▪ free-run ▪ software trigger
Exposure Control	<ul style="list-style-type: none"> ▪ programmable via the camera API
Digital Input	1

Camera Data

Digital Output	2
Power Requirements	▪ 5V DC (via BCON for LVDS interface)
Power Consumption (typical)	1.3 W

Housing

Housing Type	Board Level
Housing Size (L x W x H)	4.9 mm x 27 mm x 27 mm
Lens Mount	▪ CS-mount ▪ S-mount ▪ none
Housing Temperature	0 - 50°C
Weight (typical)	15g

Conformity

Conformity	▪ CE ▪ RoHS ▪ FCC ▪ UL ▪ GenICam
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Features

Features

Click on a feature to open the corresponding topic in the [Basler Product Documentation](#).

Color Creation and Enhancement	▪ Auto Function Profile: Anti-Flicker ▪ Backlight Compensation ▪ Balance White (Manual White Balance) ▪ Balance White Auto (Automatic White Balance) ▪ Contrast Enhancement ▪ Hue/Saturation ▪ Light Source Presets ▪ S-Curve Contrast Mode ▪ sRGB Gamma Correction
I/O Control and Line Source Signals	▪ Acquisition Trigger Wait / Frame Burst Trigger Wait ▪ Debouncer ▪ Exposure Active ▪ Flash Window ▪ Frame Trigger Wait ▪ Minimum Output Pulse Width ▪ Timer Active ▪ User Output
Image Acquisition Control	▪ Acquisition Status ▪ Frame Start Trigger ▪ Triggered by Hardware ▪ Triggered by Software
Miscellaneous	▪ Device Information Parameters ▪ User Defined Values ▪ User Sets (Configuration Sets)
PGI	▪ 5x5 Debayering ▪ Color-Anti-Aliasing

Features

Click on a feature to open the corresponding topic in the Basler Product Documentation.

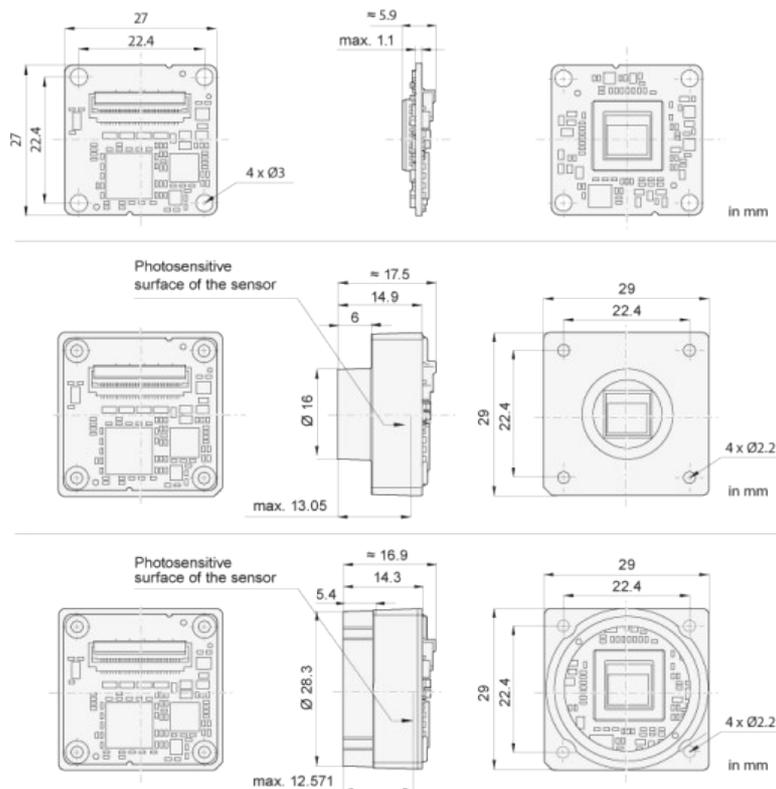
	<ul style="list-style-type: none">▪ Denoising
Pixel Formats	<ul style="list-style-type: none">▪ Bayer 12▪ Bayer 8▪ RGB 8▪ YCbCr422_8 (YUV422_8)
Standard Features	<ul style="list-style-type: none">▪ Auto Function Profile▪ Binning Horizontal▪ Binning Vertical▪ Black Level▪ Exposure Auto▪ Exposure Mode: Timed (Control via API)▪ Gain▪ Gain Auto▪ Gamma Correction▪ Region of Interest (ROI)▪ Reverse X (Horizontal Mirroring)▪ Reverse Y (Vertical Mirroring)▪ Test Images

Dimensions

Mechanical drawing for daA1280-54lc

Mechanical drawings provide the detailed measurements of a camera product. Click on the link below to download the mechanical drawing for daA1280-54lc.

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